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EAST Search History

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EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/586468	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 13:20
S2	23	(Marra adj Claudio) or (Marra adj Andrea)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 13:21
S3	6	("4305560" "6352227").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 13:22
S4	15	("0936379" "1186428" "3197552" "5109321" "5921694").PN. OR ("6352227").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:22
S5	749	362/418.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:25
S6	22	("1063220" "1279803" "1605920" "1894991" "3742209").PN. OR ("4305560").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:27
S7	83	("0559293" "0599543" "0928744" "1049345" "1714158" "1788797" "3019552" "3784196" "3897141" "3960376" "4305560" "4464861" "4495550" "D043675").PN. OR ("5385500").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:28
S8	1631	"362".clas. spiral\$4 (joint\$4 or pivot\$4 or rotat\$4 or flex or flexibl\$4 or hinge\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:29
S9	460	"362".clas. (spiral\$4 with (joint\$4 or pivot\$4 or rotat\$4 or flex or flexibl\$4 or hinge\$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:30
S10	28	("3176123" "3677867" "3819459" "4145731").PN. OR ("6048590").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:36
S11	14	("5359502" "5413825" "5438840" "6027228" "6039458" "6048590" "6132063" "6139168" "6272584").PN. OR ("6379021").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:39

S12	30	("1778597" "2113038" "2919810" "3096943" "3674612" "3677867" "4404621" "4736282" "4968541" "5359502" "5823659" "D287769" "D347598" "D374097").PN. OR ("6132063").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:40
S13	341	362/157-208.ccls. spiral\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:44
S14	1	(09/941930).APP.	USPAT; USOCR	AND	ON	2010/07/28 13:48
S15	4	("6280050").PN. OR ("6718136"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:48
S16	45	("2648762" "3111277" "3881468" "4495550" "5154483" "5571279" "5707137" "5716121" "5722764" "6004004" "D166073" "D268442" "D283645" "D302325" "D341220" "D377989" "D378858" "D379540" "D379541" "D379542" "D380061" "D380844" "D381101" "D381445" "D381446" "D381447" "D382075" "D383231" "D385637" "D387454" "D390985" "D392758" "D394721").PN. OR ("6280050"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:48
S18	14	"362".clas. "403".clas. spiral\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 14:23
S19	113	248/416.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:25
S20	22	("0434743" "0584795" "1541752" "1636211" "3409265").PN. OR ("4527225").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:25
S21	714	"362".clas. spiral\$4 (joint\$4 or pivot \$4 or rotat\$4 or flex or flexibl\$4 or hinge\$4) (flat or collaps\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:26
S22	7	"362".clas. 285/179-181.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:27
S23	304	"362".clas. "285".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:27
S24	22	("1063220" "1279803" "1605920" "1894991" "3742209").PN. OR ("4305560").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:30
S25	30	("0719662" "3010013" "3742209" "3774773" "3821852" "3902246" "4037861" "4209192" "4305560" "4402481" "4532672" "4538967" "4592526" "4615191" "4657217").PN. OR ("4714222"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:30

S28	1	(10/144594).APP.	USPAT; USOCR	AND	ON	2010/07/28 14:39
S27	5	("20030210543" "5975712" "6626556").PN. OR ("6854861"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:39
S26	2	("2003/0210543").URPN.	USPAT	AND	ON	2010/07/28 14:39
S29	78	("1369644" "2467954" "2648762" "3103723" "3111277" "3881468" "4228485" "4290095" "4346329" "4495550" "4733337" "4841417" "4967330" "5154483" "5369556" "5417207" "5571279" "5615945" "5707137" "5716121" "5717276" "5722764" "5975712" "6000809" "6004004" "6007214" "6280050" "6428179" "6491408" "6575593" "6680844" "D166073" "D185496" "D238604" "D268442" "D283645" "D302325" "D341220" "D346871" "D349354" "D374734" "D377989" "D378858" "D379540" "D379541" "D379542" "D380061" "D380844" "D381101" "D381445" "D381446" "D381447" "D382075" "D383231" "D385637" "D387454" "D390985" "D392758" "D394721" "D403451" "D407508" "D418235" "D419704" "D429534" "D430321" "D452024" "RE38014").PN. OR ("6874908").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:39
S30	48	"362".clas. spiral\$4 (joint\$4 with (pivot \$4 or rotat\$4 or flex or flexibl\$4 or hinge\$4)) rigid\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:40
S31	22	("2416160" "3945337" "3952727" "3961596" "3972302" "4241328" "4309741" "4656564" "4825191" "4889303" "4889373" "4894755" "5099222" "5418696").PN. OR ("5872510").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:42
S32	28	("1714353" "1746120" "3501742" "4020458" "4430638" "4449167" "4575189" "4613847").PN. OR ("4825191").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:42
S33	25	("1987863" "20030081413" "20030223231" "20070153509" "2052425" "2879319" "3221432" "4176896" "4245874" "4439818" "4700017" "4825191" "5655322" "5702176" "6297498" "6305822" "6726348" "6773140" "7118251" "7142103" "7296912").PN. OR ("7540627").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:43
S34	1	(10/066196).APP.	USPAT; USOCR	AND	ON	2010/07/28 14:45

S36	10	("4249074" "4737632" "5003169" "5198661" "5281809" "5302942").PN. OR ("6297498"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:45
S35	88	("2298824" "2535372" "2555000" "3064121" "3117728" "3154281" "3404268" "3602759" "3753036" "3798481" "3913849" "3946203" "4056724" "4070498" "4080067" "4105910" "4109303" "4123862" "4130429" "4144452" "4156270" "4156893" "4163502" "4180164" "4204273" "4222880" "4234817" "4240130" "4260219" "4264124" "4287555" "4306758" "4318163" "4432043" "4439818" "4449169" "4454569" "4475236" "4545302" "4572989" "4574336" "4607317" "4621309" "4658289" "4680275" "4745285" "4749061" "4753704" "4804845" "4837162" "4929561" "4930008" "4954891" "4989215" "5037615" "5037763" "5060125" "5072535" "5097135" "5130548" "5138223" "5170100" "5173637" "5174647" "5182660" "5189339" "5201576" "5221139" "5235497" "5355290" "5377086" "5386353" "5436816" "5448460" "5452187" "5555162" "5727871" "6059424" "6198292" "RE37310").PN. OR ("6702453").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:45
S37	481	362/249.06.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 14:49
S38	62	"362".clas. spiral\$4 (joint\$4 or pivot \$4 or rotat\$4 or flex or flexibl\$4 or hinge\$4) modular\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:50
S39	1	(09/984691).APP.	USPAT; USOCR	AND	ON	2010/07/28 14:54
S40	5	("3551723" "4521835" "4908743"). PN. OR ("6547418").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:54
S41	72	362/122-124.ccls. spiral\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:55
S42	10	("3163574" "4145731" "5336536" "5359502" "6048590" "6132063" "6379021" "7152998" "7311421").PN. OR ("7490950"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:57
S43	36	("2731752" "2841901" "3176123" "3677867" "4620270").PN. OR ("5336536").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:57
S44	15	("2841901").URPN.	USPAT	AND	ON	2010/07/28 14:59

S45	467	428/8,20.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 15:01
S46	3	("1933495").PN. OR ("7232596"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:02
S47	13	("1654427" "3595209" "4142012" "4654991" "4749088" "4855880" "4903846" "5455750" "6648283" "7163725" "7232596").PN. OR ("7445823").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:03
S48	4	"362".clas. spiral\$4 (knockdown\$4 or (knock adj down\$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:04
S49	23	"362".clas. (spiral\$4 with collaps\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:04
S50	12	("20020085382" "20020085383" "3180982" "4354222" "4718402" "5375048" "6315434" "6386739" "6443599" "6443600").PN. OR ("6808294").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:05
S51	13	("0566255" "20040080950" "3162377" "3180982" "3194959" "6439746" "6808294").PN. OR ("6960004").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:05
S52	32	"362".clas. (coil with collaps\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:07
S53	21	("2916843" "3603780" "3797149" "3819459" "3865676" "4315376" "5057976" "5359502" "5758948" "5942294" "6139168" "6334694" "D324832" "D325134" "D357432" "D417413" "D462031"). PN. OR ("6773134").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:09
S54	19	("3704366" "4278481" "4620270" "4968541").PN. OR ("5094893"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:17
S55	9	("3176123").URPN.	USPAT	AND	ON	2010/07/28 15:19
S56	42	"362".clas. (spiral\$4 with (triangle\$4 or triangular or square\$4 or pentagon \$4 or hexagon\$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:22

S57	85	("0831510" "20020190016" "2403093" "2473141" "2630530" "3727044" "3833908" "3902177" "4080603" "4511954" "4631516" "4825217" "4933665" "4975809" "5016996" "5032846" "5072837" "5103205" "5155494" "5260686" "5311412" "5389942" "5451974" "5481244" "5596234" "5652565" "5666103" "5764141" "5889496" "5894292" "5905434" "5913616" "5939979" "5966073" "5977928" "6050121" "6104355" "6149287" "6188317" "6218996" "6326888" "6329950" "6346925" "6377222" "6404334" "6421016" "6425490" "6457690" "6483479" "6517227" "6559811" "6600451" "6608597" "6642842" "6657558" "6677856" "6837607" "D155093" "D174602" "D180158" "D233155" "D250874" "D270054" "D297841" "D309736" "D320396" "D320601" "D320794" "D363071" "D388101" "D414495" "D428407" "D440964" "D466110" "D480714" "RE35635").PN. OR ("7091843").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:24
S58	61	"362".clas. spiral\$4 (joint\$4 with (pivot \$4 or rotat\$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:26
S59	49	("4107767" "4177503" "4439818"). PN. OR ("4607317").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:29
S60	12	("4607317" "5057981" "6217194" "6283612" "6394623" "6406166" "6502955" "6511206" "6527412").PN. OR ("6601971"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:30
S61	49	("4107767" "4177503" "4439818"). PN. OR ("4607317").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:32
S62	68	("1229794" "1858991" "2542361" "2595929" "3504169" "3536906" "4091706" "4143411" "4271458" "4285032" "4339787" "4364102" "4404621" "4413311" "4428988" "4561043" "4581687" "4591959" "4607317" "4665470" "4712165" "4769749" "4858086" "4885664").PN. OR ("5057981"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:33

S63	68	("1229794" "1858991" "2542361" "2595929" "3504169" "3536906" "4091706" "4143411" "4271458" "4285032" "4339787" "4364102" "4404621" "4413311" "4428988" "4561043" "4581687" "4591959" "4607317" "4665470" "4712165" "4769749" "4858086" "4885664").PN. OR ("5057981"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:35
S64	19	("0516259" "0522817" "0925044" "1529765" "2008311" "3079106" "3768202" "4627588" "5057981").PN. OR ("5353570"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:37
S65	7	("4413311" "4995181" "5057981"). PN. OR ("5329434").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:38
S66	52	("1689485" "1839479" "1984986" "2181889" "2214447" "2296893" "2565635" "3569689" "4161769" "Re18679").PN. OR ("4413311"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:38
S67	23	("1602892" "1760767" "20030142499" "2216220" "4096379" "4223377" "4253135" "4413311" "4532579" "5378552" "5496657" "5581922" "5660461" "5688042" "6422716" "6557282" "6585393" "6629771" "6761471"). PN. OR ("7080927").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:39
S68	31	("0499097" "2424064" "3641333" "3653738" "3920980" "4045119" "4194808" "4411490" "4439818" "4688893" "4929052" "4950958" "5054869" "5057981" "5113036").PN. OR ("5309541"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:44
S69	17	("3386043" "3436141" "4068920"). PN. OR ("4194808").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:45
S70	6	("2595929").URPN.	USPAT	AND	ON	2010/07/28 15:47
L1	221	"362".clas. spiral\$4 (arm with (pivot \$4 or rotat\$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:37
L4	56	L3 (coil or spiral)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 10:41
L3	873	362/249.06,249.14,249.18.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 10:41

L5	30	("1473066" "1669748" "1734858" "2948136" "4214747" "4637941" "4805329" "4854214" "5208578" "5396391" "5980056" "6124782" "6363637" "6364732" "6398615" "6437941" "6475056" "6588676" "6906254" "D342695" "D413078" "D449792" "D480015" "D487034" "D497833" "D505639"). PN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:44
L6	699	"362".clas. spiral\$4 coupl\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:49
L7	579	"362".clas. spiral\$4 (joint\$4 or pivot \$4 or rotat\$4 or flex or flexibl\$4 or hinge\$4) coupl\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:50
L8	7	("4413311" "4995181" "5057981"). PN. OR ("5329434").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:55
L9	640	362/219.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 10:57
L10	5	("6048590" "6158882" "6193385" "6811563" "7210818").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:58
L11	1	(11/333253).APP.	USPAT; USOCR	AND	ON	2010/07/29 11:01
L12	18	("20030219207" "4082423" "5097395" "5849027" "6135626" "6160948" "6234656" "6450677" "6520655" "6536914" "6637924" "6786626" "6826336" "6832860" "6883949" "7021809").PN. OR ("7217023").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:01
L13	24	("4613931" "4933816" "4975810" "5111367" "5345531" "5602948" "5613752" "5639153" "5690408" "5784510" "5838865" "5982969" "6056426" "6217204" "6243520" "6257750" "6272269" "6275633").PN. OR ("6450677"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:03
L14	10	("20030219207" "6160948" "6234656" "6536914" "6637924" "6786626").PN. OR ("7021809"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:04
L15	1	(10/196368).APP.	USPAT; USOCR	AND	ON	2010/07/29 11:09
L16	11	("4797798" "5034865" "6149472" "6280261" "6475037" "6508669" "6655816").PN. OR ("6758577"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:09

L17	18	("2073754" "2299283" "2642246" "2902592" "3012801" "3955079").PN. OR ("4797798").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:10
L18	22	("1085144" "1834535" "3270480" "3508731" "3721463" "4064432" "4074941" "4167352" "4228487" "4797798" "5197349" "5260860" "5419650" "5599094" "5632553").PN. OR ("5975727").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:11
L19	8	("1623813" "5873652" "6113250").PN. OR ("6655816").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:13
L20	52	("0922490" "1629489" "2197887" "2278433" "2279034" "3387129" "3621113" "3622779" "3735123" "3735329" "4034216" "4079244" "4107770").PN. OR ("5873652").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:13
L21	14	("4748549" "5255173" "5873652" "6371632").PN. OR ("6517223").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:14
L22	7	("5873652" "5906430").PN. OR ("6241370").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:15
L23	13	("1870147" "20020149931" "20040184269" "3179792" "3558873" "6033092" "6068388" "6291936" "6356700" "D113550").PN. OR ("7748871").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:17
L24	22	("3535018" "3829675" "4422719" "4761047" "5187765" "5233679" "5380318" "5432876" "5542017").PN. OR ("5708749").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:26
L25	25	("2140972" "2188821" "2275621" "2480393" "3043038" "3043947" "3561145" "3748456" "4775964" "4807090" "5406462" "5542016").PN. OR ("5669692").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:34
L26	9	("2480393").URPN.	USPAT	AND	ON	2010/07/29 11:42
L27	17	("0271143" "0965131" "1282341" "3737649" "4212559" "5060123" "5086377" "5287255" "5363285" "5381319").PN. OR ("5647591").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:43
L28	1	(11/371955).APP.	USPAT; USOCR	AND	ON	2010/07/29 11:48
L29	14	("20040183458" "2335041" "4271458" "5118301" "5372525" "5967823" "6039458" "6210189" "6265834" "6422891" "6793369" "D424720" "RE38909").PN. OR ("7264374").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:48

L30	15	("3956575" "4042291" "4415217" "4571018" "4812956" "5018055" "5399095" "5559681" "5565728" "5906513" "5964518").PN. OR ("6422891").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:49
L32	10	("3633023" "4204273" "4335422").PN. OR ("5018055").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:50
L31	127	("2414866" "3868671" "3894225" "4173035" "4259709" "4390097" "4463411" "4554419" "4570206" "4751627" "4761720" "4896251" "4909189" "5019748" "5057981" "5128843" "5193895" "5202168" "5337225").PN. OR ("5559681").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:50
L34	11	("2414866").URPN.	USPAT	AND	ON	2010/07/29 11:51
L33	9	("2414866" "3619599" "4128863" "4639841" "4890206" "4945279" "5018055" "5161882").PN. OR ("5552974").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:51
L35	21	("2414866" "2828473" "4072857" "4571018" "5053931" "5323798" "5337225" "5502624" "5559681" "5733037" "5911493").PN. OR ("6340233").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:53
L36	10	("4107767" "4263640" "4950958" "5027037" "5150964" "5379202" "5410458" "5559681" "5688041").PN. OR ("6170964").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:56
L37	19	("1863347" "20040020686" "20050092971" "4967324" "5221139" "5226724" "5448460" "5452187" "5564818" "5640069" "5755507" "5902962" "6186642" "6318884" "6454431" "6773130").PN. OR ("7293895").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 12:05
L39	34	("20030141426" "2041847" "2297781" "3240925" "3378678" "4449169" "4605995" "4726552" "4880193" "5309334" "5620247" "5672002" "5800054" "6203179" "6280056" "6431515" "6880957" "D040216" "D136799" "D194800" "D374496" "D420161" "D426336" "D434165" "D437957").PN. OR ("7210811").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 12:07
L42	33	248/122.1.ccls. (coil or spiral\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 12:09

L43	5	("6585393" "6695464" "6715906" "6758577").PN. OR ("6893144").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 12:12
L44	6	("6379021" "6406166").PN. OR ("6595659").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 12:13
L45	14	("5359502" "5413825" "5438840" "6027228" "6039458" "6048590" "6132063" "6139168" "6272584").PN. OR ("6379021").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 12:44
L48	243	"362".clas. (spiral\$4 with section\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:24
L52	21	"362".clas. spiral\$4 ((arm or joint\$4) with swivel\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:27
L54	245	"248".clas. (spiral\$4 with section\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:31
L55	10	("1986281").URPN.	USPAT	AND	ON	2010/07/29 13:32
L56	71	("1093287" "1173984" "1340550" "1404258" "1404259" "1832563" "1832564" "1986281" "2225936" "2256641" "2259673" "2312670" "2503287" "3835272" "4433365" "4737892" "4841417" "4890203" "4907135" "4914555" "4937713" "4956755" "5097399").PN. OR ("5161095" "5278739").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:33
L57	19	("20040228120" "20050265033" "4348716" "4376965" "4506317" "4895329" "4897768" "4938440" "5178453" "5278739" "5515246" "5577697" "5595436" "5678921" "5893630" "6158876" "6206542" "6644827" "6726342").PN. OR ("7434954").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:34
L58	13	("1832563" "1832564").URPN.	USPAT	AND	ON	2010/07/29 13:37
L59	3	("20030223230" "3742208" "4161020").PN. OR ("7264375").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:39
L60	86	"362".clas. spiral\$4 (reduc\$4 with (stress or pressure))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:45
L61	50	"362".clas. (spiral\$4 with segment\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:47
L63	40	"248".clas. (spiral\$4 with segment\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:47
L67	1628	362/177,199,249.1,427.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 13:54
L68	21	L67 spiral\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:55

L70	56	L67 collaps\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:56
L71	14	("2894345" "2911748" "3184366" "3704367" "3819457" "3846213" "6179442" "6273583" "6607284").PN. OR ("6769796"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:56
L72	7	("3541322" "6179442" "6203166" "6497498" "6511206").PN. OR ("6607284").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:58
L75	17	"362".clas. spiral\$4 elbow\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:01
L79	4	"362".clas. spiral\$4 ((arm or joint\$4) with (collaps\$4 or reconfigur\$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:03
L82	731	362/581,217.13,217.17.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 14:06
L83	245	L82 (pivot\$4 or rotat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 14:07
L84	15	("20020168157" "3033731" "3989578" "5204927" "5376201" "5465315" "5572034" "5615294" "5657408" "5938812" "6195016" "6304703" "6418254" "6441077"). PN. OR ("7197218").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:09
L85	6	("4298909" "4302800").PN. OR ("4389699").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:13
L87	4	((("0599543") or ("1279803"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/29 14:55
L88	23	("599543").URPN.	USPAT	AND	ON	2010/07/29 14:55
L86	22	("1063220" "1279803" "1605920" "1894991" "3742209").PN. OR ("4305560").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:55
L89	36	("0354976" "0504866" "0599543" "0644860" "1186428" "1279803" "1735949" "2104198" "2204508" "2510198" "2533494" "4023757" "4630185" "4853965" "4870964" "4885667" "4907137").PN. OR ("5398176").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:57
L90	452	362/421.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 15:05

L91	59	(US-20080285283-\$ or US-20020131269-\$ or US-20030081413-\$ or US-20020141203-\$ or US-20040076012-\$ or US-20080253116-\$ or US-20080180949-\$ or US-20060120104-\$ or US-20040012972-\$ or US-20020118536-\$).did. or (US-6352227-\$ or US-4305560-\$ or US-5385500-\$ or US-6048590-\$ or US-7089878-\$ or US-6510956-\$ or US-6379021-\$ or US-6132063-\$ or US-5413825-\$ or US-6666613-\$ or US-6575605-\$ or US-4714222-\$ or US-6297498-\$ or US-6702453-\$ or US-7490950-\$ or US-5336536-\$ or US-6773134-\$ or US-2841901-\$ or US-7091843-\$ or US-4607317-\$ or US-6601971-\$ or US-6394623-\$ or US-5057981-\$ or US-5329434-\$ or US-4413311-\$ or US-7762695-\$).did. or (US-5309541-\$ or US-4194808-\$ or US-4712165-\$ or US-2595929-\$ or US-5448460-\$ or US-7217023-\$ or US-7021809-\$ or US-6450677-\$ or US-5975727-\$ or US-6517223-\$ or US-4956756-\$ or US-6422891-\$ or US-5559681-\$ or US-5552974-\$ or US-6340233-\$ or US-7293895-\$ or US-7210811-\$ or US-6595659-\$ or US-7434954-\$ or US-4777572-\$ or US-6607284-\$ or US-5398176-\$ or US-3742209-\$).did.	US-PGPUB; USPAT	AND	ON	2010/07/29 15:42
L92	11	L91 (ellips\$4 or elliptic\$4 or oval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 15:43
L93	24	L91 spiral	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 15:57

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